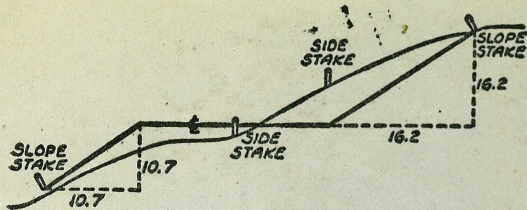


G-403



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

DIRECTIONS FOR USE OF TABLES

TABLE No. XIV

Distance of slope stake from side or shoulder
stake for any width roadway, slope 1 1/2 to 1.
This amount is for cut or fill and distance in table.

IMPROVED TABLES
AND
INFORMATION

To find Tangent and External for curve of
any other degree, divide by degree of curve and
add correction found in column of corrections.
Degree of curve with radius R may be found
by dividing tangent (or external) opposite R by
given tangent (or external).

The distance from a point on the tangent to
the curve is very nearly the square of the tangent
length divided by twice the radius.

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
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- 48
- 49
- 50

Dist
ground
column
side sta
cut or
If it do

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.79	.81	.92	1.04	1.29	1.42	1.54	1.66
40°	.13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	.15	.30	.44	.60	.76	.91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	.19	.38	.57	.76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	.42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	.23	.46	.69	.93	1.16	1.40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	.25	.51	.76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	.30	.61	.91	1.22	1.53	1.84	2.15	2.46	2.78	3.10	3.44	3.78	4.12	4.46
85°	.33	.66	1.00	1.33	1.68	2.02	2.36	2.70	3.05	3.40	3.77	4.14	4.55	4.89
90°	.36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	.39	.79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	.43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	.51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60
120°	.62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.771	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.266	.353	.440	.528	.617	.707	.797	.890	.977	1.07	1.18	1.29
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

INDEX

W.O. 32767 (1ST CONT.)

ENCANTO STREETS: Water-Mains
(note: No Slope Rts.)

PARADISE { Today to MAILLARD } 1
" { SPRINGFIELD N.Y. to 2+41.43 } 18

SWAN { Tooley to MAILLARD } 4

ORIOLE { MAILLARD to TOOLEY } 6

ALCEDO { MAILLARD to MULBERRY } 9

MULBERRY { MAILLARD to PARADISE } 11

BLUEBIRD { MAILLARD to MULBERRY } 15

MAILLARD { 10+25.82 to EQ } 19
to 20+48.60

" { SPRINGFIELD to W.Ly } 21
to Sta: 16+90 = EQ
= 20+48.60 From W.Ly

" { SPRINGFIELD to } 24
69 4h

SPRINGFIELD { MAILLARD to PARADISE } 25

Water-Main:

MAILLARD (E.Ly) STA 11+90.60 to 17+00 } 30

ALCEDO (S.Ly)) STA } 31

INDEX: (CONT.)

INDEX (CONT.)

PARADISE:

From PT. 389 N'ly, N.L. Tooley
to S.L. MALLARD

STA.	P.L.	CB	E	CB	P.L.
5+50	418.9 421.8 F 2.9		421.8 421.8 grade		434.15 421.8 C 12.35
5+25					
5+00 = E.V.C	427.14 431.2 F 4.06		431.2 431.2 grade		444.43 431.2 C 13.23
4+75	429.34 435.6 F 6.26				447.03 435.6 C 11.43
4+50	434.2 439.6 F 5.4		439.6 439.6 grade		450.86 439.6 C 11.26
4+20	441.2 443.8 F 2.6		444.4 443.8 C 0.6		453.0 443.8 C 9.2
3+89 = Beginn Act. End City Forces Work	448.0 447.3 C 0.7		449.1 447.3		454.3 447.3 C 7.0
3+80	450.1 448.2 C 1.9				454.61 448.20 C 6.41
3+60 - Bag City Forces Work	meet grad				meet grad
note: stubs 5' BK PL For Ref. (SAFETY)					
T.B.M.					360.61 = AKABE# P 77592

Ref: DWBS 5394-54-13 (inc.)

City notes L20-21-22
K 20-21-22

P.K. = CHK.
Tel No = 548193-H
(744) Notes 429.36

STA.	P.L.	CB	E	CB	P.L.
7+80 = B.V.C	372.6 378.5 F 5.9		378.5 378.5 grade		390.65 378.5 C 12.15
7+75					
7+50	376.4 384.2 F 7.8		384.2 384.2 grade		395.8 384.2 C 11.6
7+25					
7+00	386.2 393.6 F 7.4		393.6 393.6 grade		406.3 393.6 C 12.7
6+75					398.3 398.3 grade
6+50	398.2 403.0 F 4.8		403.0 403.0 grade		414.6 403.0 C 11.6
6+25					
6+00	409.9 412.4 F 2.5		412.4 412.4 grade		426.9 412.4 C 14.5
5+75					
Note: All stubs set 5' BK Prop = 10 BK Range-PT.					
city notes 303 (C.H.S)					

PARADISE (CONT.)

STA.	P.L.	chk. grade at Brk PT.	E	Check grade at Brk PT.	P.L.	STA.	P.L.	chk. grade at Brk PT.	E	chk. grade at Brk PT.	P.L.
		CB		CB				CB		CB	
9+75						11+7.80 LT only = EL. SWAN	340.33 341.2 F0.87	342.5 341.2 C1.3	341.2 341.7 F0.5		
9+50	chk 353.4 358.3 F4.9	358.3	358.3 grade	358.5	365.96 358.5 C7.46	11+50 = E.V.C.	340.95 341.6 F0.65	342.1 341.6 C0.5	342.1 342.1 grade	342.1 342.4 F0.3	345.56 342.4 C3.11
9+25						11+30	341.47 342.4 F0.93				347.68 342.9 C4.78
9+00	358.5 363.2 F4.7		363.2 grade		371.15 363.3 C7.85	11+10 chk:	343.16 343.3 F0.14	343.6 343.3 C0.3	343.6 343.6 grade	343.6 343.8 F0.2	348.3 343.8 C4.5
8+75						(not set) 11+00	343.9				344.4
8+60 = E.V.C.	361.8 367.1 F5.3		367.1 grade		376.85 367.2 C9.65	10+90 chk:					
(not set) 8+50	368.1				368.2	10+70 = B.V.C.	344.57 346.4 F1.83	346.4	347.2 346.6 C0.6	346.9	351.4 346.9 C4.5
8+36 Dr. RT	F5.3					10+50	345.37 348.5 F3.13				353.6 348.8 C4.8
8+20 ^{not stub} at P.L. ON RT Fwd Drive (OFF R-Grading)	366.8 371.9 F5.1		371.9 grade		381.1 371.9 C9.2	10+25					
8+08 Drive RT	369.30					chk:	347.90		353.4		358.4
8+00	375.00 F5.7				387.8 375.00 C12.8	10+00	353.4 F5.50	353.4	353.4 grade	353.6	353.6 C4.8

PARADISE (CONT.)

LT.

RT. (E. W.)

3

STA. P.L. CB. E CB P.L.

Set T.B.M IN T.P. CB ELY end NE RT. PARADISE - MALLARD
 = 340.89

12+86.20
 = S.L. MALLARD
 on RT only

chk. grade
 at OFE-PI
 ↓

341.45 342.18 *chk*
 340.90 340.40
 C 1.05 C 1.78

12+75

12+50

341.47 344.17 *chk*
 340.90 340.90
 C 0.57 C 3.27

12+25

12+00

340.3 342.13 344.35 *chk*
 341.3 341.70 341.70 *chk* 5 BK P.L.
 F 1.0 C 0.43 C 2.65

11+75

SWAN + Tooley to MALLARD

Note: all stubs 5' BK Prop
"10' " h-pt.

LT.				RT (ELY)		LT.				RT (ELY)	
STA.	P.L.	CB.	E	CB.	P.L.	STA.	P.L.	CB.	E	CB.	P.L.
1+00	408.95 399.5 C 9.45				393.2 399.6 F 6.4	6+80	352.93 348.0 C 4.93				350.3 348.5 C 1.8
3+50	420.0 409.7 C 10.3			T.P.	410.06 409.8 C 0.26	6+50	356.5 351.5 C 5.0				348.74 352.0 F 3.26
3+10=EVK	426.1 417.9 C 8.2				416.8 417.9 F 1.1	6+25	359.75 355.0 C 4.75				351.98 355.4 F 3.42
2+90	429.0 422.1 C 6.9				421.5 422.1 F 0.6	6+00	365.1 359.1 C 6.0				357.6 359.4 F 1.8
2+70=EVK	432.3 426.8 C 5.5				426.2 426.8 F 0.6	5+75	367.9 363.6 C 4.3				358.7 364.0 F 5.3
2+50	436.4 431.5 C 4.9				429.6 431.5 F 1.9	5+60=21/8	371.3 366.6 C 4.7				362.5 366.9 F 4.4
2+0/05=	447.55 443.3				439.97 443.3	5+30	376.4 372.8 C 3.6				367.13 373.1 F 5.97
Req. 1911 Act. CONT.	C 4.25				F 3.33	5+00	383.45 379.00 C 4.45				373.0 379.2 F 6.2
1+60=Req city Forces work	Met EXIST 9"p				Met EXIST 9"p	4+50	396.0 389.2 C 6.8				382.5 389.4 F 6.9
(0+00=N.L. Tooley)	Set T.B.M	2x2-35 RT. 1+26.07		=455.15							

T.B.M

462.06 = 2" PIPE = A
N.L. Tooley AT PARADISE

SWAN (CONT.)

5

STA.	LT.		E	RT.	
	P.L.	CB.		CB.	P.L.
10+00	335.46 340.7 F 5.24			343.0 341.2 C 1.8	
9+50	334.56 340.9 F 6.34			(chk. Dr.) 342.06 341.4 C 1.46	
9+00	332.47 341.1 F 8.63			343.3 341.6 C 1.7	
8+50	334.14 341.3 F 7.16			343.43 341.8 C 1.63	
8+00-EXC	339.36 341.5 F 2.14			347.6 342.0 C 5.6	
7+80	343.05 341.8 C 1.25			344.03 342.2 C 1.83	
7+50	343.88 342.8 C 1.08			347.45 343.2 C 4.25	
7+20	347.36 344.5 C 2.86			346.1 344.9 C 1.2	
7+00	349.47 346.1 C 3.37			349.2 346.6 C 2.6	

STA.	LT.		E	RT. (ELY)	
	P.L.	CB.		CB.	P.L.
CHK			340.86 =	340.89 =	chk
					NEly RET MAILLARD & PARADISE
12+75.73 = S.L. MAILLARD (LT.)	338.8 339.1 F 0.3				
12+60	338.64 339.5 F 0.86				
12+47 LT. only	338.3 339.7 F 1.4				
12+00 LT. only	337.97 339.9 F 1.93				
11+50 LT. only	337.5 340.1 F 2.6				
11+31.82 = W.L. PARADISE (RT.)	337.34 340.2 F 2.86				340.33 340.7 F 0.37
11+00	336.47 340.3 F 3.83				341.0 340.8 C 0.2
10+50	335.33 340.5 F 5.17				342.35 341.0 C 1.35

ORIOLE - MAILLARD to TOOLEY

CHK:

321.67 = 321.68 = E 2x2 P.O.T. 6
1409.05

Note: All stobs set 5' BK Prop (10' BK h. PT) unless noted.

LT.		CHK. Levels @ H. PT 25' LT.		RT. (w'dy)		STA		CHK. Levels @ H. PT 25' LT.		
STA.	P.L.		E	CHK. Levels @ H. PT 25' RT.	P.L.				P.L.	
1+00-BK	320.1 300.4 C19.7 @ 20'	302.5 300.4 C2.1		306.55 300.4 C6.15	319.1 300.4 C18.7 @ 20'		5+00	355.94 345.70 C10.24		342.70 345.7 F3.0
0+58-EVK LT.	314.1 291.5 C22.6 @ 20'	293.72 291.5 C2.22		302.6 291.5 C11.1	313.3 291.5 C21.8 @ 20'		4+60	352.4 343.2 C9.2		341.0 343.2 F2.2
0+34	310.4 287.5 C22.9 @ 20'	290.04 287.5 C2.54					7+20-BK	344.22 339.80 C4.42	339.8	336.50 339.80 F3.30
0+31-EVK RT. only				294.73 285.7 9.03 C22.9 @ 20'	308.6 285.7 C22.9 @ 20'		4+00	340.09 337.95 C2.14	338.83 337.95 C0.88	337.86 337.95 F0.09 333.70 337.95 F4.25
0+22.92 = S.L. MAILLARD LT. (E4)	306.6 286.5 C20.1 @ 20'	288.6 286.5 C2.1					3+50	332.15 333.3 F1.15	333.6 333.3 C0.3	332.1 333.3 F1.2 328.2 333.3 F5.1
0+16 RT. only				293.05 283.3 C9.75	304.4 283.3 C21.1 @ 20'		3+00	327.1 328.7 F1.6	328.23 328.7 F0.47	327.5 328.7 F1.2 324.1 328.7 F4.6
0+10-BK LT	285.8 285.8						2+60-EVK	325.08 325.00 C0.08	329.7 325.0 F4.3	324.5 325.0 F0.5 322.70 325.00 F2.30
0+08-P.L. RT.				292.04 282.7 C9.34	301.8 282.7 C19.1 @ 20'		2+20	323.1 320.7 C2.4	321.35 320.7 C0.65	320.87 320.7 C0.17 320.6 320.7 F0.1
0+01-BK RT.					282.5		1+80	322.8 315.3 C7.5	315.9 315.3 C0.6	316.9 315.3 C1.6 320.3 315.3 C5.0
(0+15.46) = S.L. MAILLARD										
T.B.M.				277.80 = City Disc E MAILLARD + 14' N. 24' OF E FEDERAL BLDG.			1+40	323.2 308.5 C14.7 @ 15'	308.3 308.5 F0.2	311.00 308.50 C2.5 @ 25' 320.2 308.5 C11.7

city notes
by C.H.S. →

ORIOLE

(CONT.)

STA.	LT			RT		
	P.L.	CB	E	CB	P.L.	
8+40	360.5 350.8 =B.V.C C 9.7				341.35 350.8 F 9.45	
8+00	357.78 350.75 C 7.33				340.24 350.45 F 10.21	
7+60	356.4 350.1 C 6.3				338.8 350.1 F 11.3 @ 11'	
7+20	354.9 349.6 C 5.3				338.0 349.6 F 11.6 @ 12'	
6+80	353.94 349.2 C 4.74				339.7 349.2 F 9.5	
6+40	354.0 348.8 C 5.2				341.05 348.8 F 7.75	
6+00	354.66 348.3 C 6.36				342.7 348.3 F 5.6	
5+80 = E.V.C	355.1 348.1 C 7.0				342.35 348.1 F 5.75	
5+40	356.3 347.2 C 9.1				342.5 347.2 F 4.7	

7

STA.	LT			RT (w/ly)		
	P.L.	CB	E	CB	P.L.	
11+40	392.34 381.00 =B.V.C C 11.34				373.55 381.00 F 7.45	
11+20	388.64 377.4 =E.V.C C 11.24				370.3 377.4 F 7.1	
10+85	383.7 371.6 C 12.1				367.1 371.6 F 4.5	
10+50	376.6 366.3 C 10.3				367.0 366.3 C 0.7	
10+15	374.2 361.8 C 12.4				364.8 361.8 C 3.0	
9+80	370.7 358.4 C 12.3				360.85 358.4 C 2.45	
9+45	368.3 355.3 C 13.0				356.6 355.3 C 1.3	
9+10	365.60 353.00 C 12.60				351.1 353.00 F 1.9	
8+75	363.5 351.6 C 11.9				343.4 351.6 F 8.2	

ORIOLE (CONT.)

8

STA.	P.L.	CB	E	CB	P.L.
CHK:			462.10 = 462.06		= 2" pipe at N.L. Tosley AT PARADISE

~~SECTION~~
 12+10 ^P (Fence-Line) ^{to E 1/4} 40' ± LTG
 = 1x1 → Elev = 405.48

12+70 = END Meet EXIST
 City Forces
 Work grid

Meet EXIST
 grid

= Beg ^{Work} City Forces

12+38.76 = 409.6
 401.20
 END 1911-CONT. C 8.4

396.91
 401.20
 F 4.29

12+20 = 406.3
 397.00
 E.V.C C 9.30

392.26
 397.00
 F 4.74

11+80 398.7
 388.6
 C 10.1

383.9
 388.6
 F 4.7

ALCEDO

(E4) LT.

MAILLARD to MULBERRY

RT.

STA.	P.L.	E	P.L.
1470	414.4 406.4 C 8.0		407.74 406.5 C 1.34
1440	410.97 403.30 C 7.67		406.86 403.3 C 3.56
1410	407.36 399.50 C 7.86		402.5 399.5 C 3.0
0+72.60=BXC	401.34 393.7 C 7.64		396.35 393.7 C 2.65
0+53.08=S.L. MAILLARD & E4 ALCEDO	399.0 390.2 C 8.8		391.6 390.2 C 1.4
0+26.54=S.L. MAILLARD & E ALCEDO		385.8	
0+17.26=EVC RT			384.52 383.90 C 0.62
(0+00 = W.L. ALCEDO AT S.L. MAILLARD)			380.2 381.6 F 1.4

T.B.M = 2x2 tie-

35' LT E (E4) ALCEDO 9

ST. STA 1+60.83

Elev = 412.28

STA.	P.L.	LT.	E	RT.	P.L.
3+92.60 = E.V.C.	408.36 402.3 C 6.06				401.4 402.3 F 0.9
3+50	411.9 406.5 C 5.4				404.7 406.5 F 1.8
3+20	413.6 408.6 C 5.0				407.2 408.6 F 1.4
2+90	414.9 409.8 C 5.1				407.4 409.8 F 2.4
2+60	415.8 410.2 C 5.6				408.8 410.2 F 1.4
2+32.60	415.85 410.0 C 5.85				408.6 410.0 F 1.4
2+00	416.1 408.6 C 7.5				408.45 408.6 F 0.15

Note: stubs 5' BK P.L. (10' BK h-pt.)

ALCEDO (CONT.)

STA	LT P.L	Σ	RT (w.ly) P.L
6+52.60 = BVC Σ	376.6 372.2 C4.4	370.4	370.45 371.6 370.4 F1.15 grade
6+42.74 = BVC LT	377.64 371.6 C6.04		
6+30	378.65 373.1 C 5.55		371.4 373.1 F1.7
6+20	379.6 374.7 C4.9		372.6 374.7 F2.1
6+00	381.16 376.80 C4.36	← mect →	374.20 376.80 F2.60
5+50	381.70 382.95 C4.15		379.20 382.95 F3.75
5+00	395.8 389.1 C6.7	Note: RED FIG'S = NEW grade - by OFFICE 8-27-59	385.7 389.1 F3.4
4+50	403.16 395.2 C7.96		393.2 395.2 F2.0
4+20	406.05 398.9 C7.15		398.14 398.9 F0.76

STA	LT P.L	Σ	RT (w.ly) P.L
Set T.B.M ON 2x2 tie - 60'SLY E MULBERRY ON Projected Σ ALCEDO Elev = 372.20			
6+72.60 = N.L. MULBERRY	375.2 369.2 C6.0		375.2 371.8 C3.4
6+68.31 = BVC RT			368.8 367.7 370.0 368.1 F1.2 F0.4
6+63.67 LT ONLY			368.2 368.4 F0.2
6+63.67	375.87 369.6 C6.21		

MULBERRY \bar{t}

MAILLARD TO PARADISE

Note: All stubs 5' BK Prop (10 BK h-pt.)
unless noted

11

LT.		RT. (W/L)		LT.		RT. (W/L)	
STA.	P.L.	E	P.L.	STA.	P.L.	E	P.L.
1460	434.22 438.40 F 4.18		444.50 438.40 C 6.10	4450	400.95 405.17 F 4.22		412.58 405.17 C 7.41
1435	437.09 439.8 F 2.71		446.05 439.80 C 6.25	4400	407.47 411.56 F 4.09		419.85 411.56 C 8.29
1410	443.18 440.90 C 2.28		446.76 440.90 C 5.86	3450	413.70 417.95 F 4.25		426.87 417.95 C 8.92
0+80 = B.Y.C.	439.82 442.00 F 2.18		446.73 442.00 C 4.73	3400	420.25 424.34 F 4.09		432.39 424.34 C 8.05
0+50	442.41 442.60 F 0.19		446.06 443.10 C 2.96	2+80 = E.Y.C.	422.26 426.90 F 4.64		434.28 426.90 C 7.38
0+33.88 = S.L. MAILLARD & W.L. MULBERRY			445.26 444.10 C 1.16	2+50	425.08 430.40 F 5.32		437.23 430.40 C 6.83
0+30 LT only	442.71 443.10 F 0.39			2+25	427.71 433.00 F 5.29		439.12 433.00 C 6.12
0+00 = E. MULBERRY & S.L. MAILLARD	442.50 443.20 F 0.70	443.60		2+00	429.83 435.40 F 5.57		441.91 435.40 C 6.51
0-33.88 = S.L. MAILLARD & E.L. MULBERRY	443.52 442.60 C 0.92			1+80 = E.Y.C.	432.26 437.10 F 4.84		443.07 437.10 C 5.97

T.B.M.

440.65 = Ch x

71' Ely 2x2 HUB S.L. MAILLARD
& E MULBERRY

MULBERRY (CONT.)

CHK:

372.20

=372.20 = 2x260' 5 1/2' E
MULBERRY on Proj. E ALCEDO
Pg 10 - RT. (NO 24) 12

LT.			RT. (NO 24)			LT.			RT. (NO 24)		
STA.	P.L.	E	STA.	P.L.	E	STA.	P.L.	E	STA.	P.L.	E
7463.39-E ALCEDO (RT.) 7+90	366.5 367.9 F1.4	368.1 369.9 F1.8	369.90 369.9 not set	7450-E.N.C. 9+40	382.84 376.50 C 6.34	381.23 375.9 C 5.33	368.2 375.9 F7.7	368.77 376.50 F7.73			
7445.39 7+50	369.00	367.3 371.3 F4.0	371.3 not set	9+25	378.62 373.30 C 5.32		366.9 373.3 F6.4				
7433.39-E.L ALCEDO (RT.) ONLY		See Pg-10 (Dwg. Sheet 5410.5)	369.2 ? 369.9 ?	9+100 9+10	375.40 370.7 C 4.70	376.17 373.3	365.98 370.7 F4.72				
7425 7+10	367.30 370.70 F3.40	367.95 374.0 F6.05	377.4 374.0 C 3.4	8+75	375.94 370.70 C 5.24	373.78 368.7 C 5.08	366.26 373.3 F7.04	362.8 368.7 F5.9			
6+90-B.V.G 6+70	371.07 374.60 F3.53	374.67 378.0 F3.33	381.4 378.0 C 3.4	8+50 8+70	379.31 374.60 C 4.71	369.50 367.40 C 2.10	362.7 370.9 F8.2	362.94 367.40 F4.46			
6+50 6+40	377.45 379.61 F2.16	381.2 378.46 381.2	383.47 379.61 C 3.86	8+20 8+30	383.47 379.61 C 3.86	370.9 366.70 C 4.20	367.14 366.70 C 0.44				
6+00	382.34 386.00 F56.6	F2.74 ← MEET →	C 3.24 388.97 386.00 C 2.97	8+100	388.97 386.00 C 2.97	370.13 366.80 C 3.33	365.3 369.8 F4.5	368.30 366.80 C 1.5			
5+50	387.98 392.39 F4.41		395.34 392.39 C 2.95	7+93.39-M.L ALCEDO RT ONLY	395.34 392.39 C 2.95		See Pg-10 (Dwg. Sheet 5410.5)	368.1 ? 366.9 ?			
5+00	394.23 398.78 F4.55	Note: Red Figs = New grade - by office 8-27-59	403.92 398.78 C 5.14	7+81.39 LT. ONLY	403.92 398.78 C 5.14	366.62 367.20 F0.58					

MULBERRY (CONT.)

13

STA.	LT. P.L.	Σ	RT. (W.Ly) P.L.	STA.	LT. P.L.	Σ	RT. (W.Ly) P.L.
12+00	403.96 392.30 C11.66		393.63 392.30 C1.33				
11+75	405.57 393.00 C12.57	393.00 393.00 grade	394.17 393.00 C1.17	14+25	375.55 374.8 E0.75		369.34 374.8 F5.46
11+50	404.95 393.20 C11.75		394.26 393.20 C1.06	13+98	379.1 375.1 C4.0	375.26 375.1 C0.16	370.94 375.1 F4.16
11+25	404.77 392.90 C11.87	393.24 392.90 C0.34	393.01 392.90 C0.11	13+75	382.25 376.3 C5.95		374.23 376.3 F2.07
11+00	404.24 392.00 C12.24	392.00 392.00 grade	392.35 392.00 C0.35	13+40=B.V.C	387.43 379.6 C7.83	380.6 379.6 C1.0	378.9 379.6 F0.7
10+70	401.7 390.3 C11.4	390.3	386.6 390.3 F3.7	13+00=E.V.C	396.2 384.4 C11.8	384.9 384.4 C0.5	383.17 384.4 F1.23
10+50	399.70 388.80 C10.90		383.68 388.80 F5.12	12+77	397.30 387.00 C10.30		387.22 387.00 C0.22
10+25	397.35 386.40 C10.95	386.40	380.75 386.40 F5.65	12+58.99= E BLUE BIRD	399.57 388.70 C10.87	388.7 388.70 grade	388.84 388.70 C0.14
10+00	394.2 383.50 C10.7		377.18 383.50 F6.32	12+40	402.14 390.1 C12.04		391.9 390.1 C1.8
9+80=B.V.C	389.90 380.80 C9.1	← meet →	373.00 380.80 F7.8	12+25	402.94 391.1 C11.84	391.1 391.1 grade	392.5 391.1 C1.4

CHK:

401.46 = 401.46 = T.B.M. 1917

MULBERRY (CONT.)

14

STA.	LT. P.L.	E	RT (N.Y.) P.L.	CHK	
17+50	433.0 433.9 F0.9	432.9 433.90 grade	435.05 433.9 C1.15		457.72 = 457.77 = C.L.D. ON CON. WALK @ #1949 PARADISE = SELV CORN - PARADISE MULBERRY
17+20=B.V.C	427.29 427.50 F0.21	427.5 427.5 grade	430.20 427.50 C2.7		
16+70	416.85 415.50 C1.35	415.5 415.5 grade	421.80 415.50 C6.3		
16+20	405.2 403.5 C1.7	403.5 403.5 grade	408.9 403.5 C5.4		
15+80=E.V.C	395.5 393.9 C1.6	393.9 393.9 grade	396.1 393.9 C2.8		
15+50	387.13 387.40 F0.27	387.4 387.4 grade	388.23 387.40 C0.83		
15+25	381.1 383.0 F1.9		382.43 383.0 F0.57		
15+00	376.3 379.5 F3.2	379.5 379.5 grade	375.64 379.5 F3.86	(met. inst. grad.)	
14+70	372.92 376.6 F3.68		370.84 376.6 F5.76	17+99.59 = end grading	440.3 441.4 F1.1 440.9 441.4 F0.5
14+40	374.87 375.1 F0.23	375.7 375.1 C0.6	366.64 375.1 F8.46	17+80=E.V.C	436.44 438.8 F2.36 439.1 438.8 C0.3

BLUEBIRD - (MALLARD to MULBERRY)

15

STA:	LT. P.L	CHK. Bk PT-grade	CHK. grade	CHK. Bk PT-grade	RT (w/ly) P.L	STA:	LT. P.L		RT. (w/ly) P.L
1+20=B.V.C	357.1 361.3 F 4.2		361.8 361.3 grade		371.6 361.3 C 10.3	4+50	345.2 352.9 F 7.7	354.1 352.9 C 1.2	359.5 352.9 C 6.6
0+90=E.V.C LT.	357.2 359.1 F 1.9	360.0 359.1 C 0.9		362.0 359.1 C 2.9	371.88 359.1 C 12.78	4+20=B.V.C	346.55 354.0 F 7.45	354.5 354.0 C 0.5	361.2 354.0 C 7.2
0+70	357.7 356.9 C 0.8				372.27 357.6 C 14.67	4+00	347.25 354.9 F 7.65		363.23 354.9 C 8.33
0+46.57= Prop. Conv. LT.	356.84 354.1 C 2.74	355.6 354.1 C 1.5				3+50	350.16 357.1 F 6.94	357.1 357.1 grade	364.9 357.7 C 7.8
0+42=E.V.C RT only				359.65 355.6 C 4.05	369.17 355.60 C 13.57	3+00	352.15 359.3 F 7.15	359.9 359.3 C 0.6	366.41 359.3 C 7.11
0+20.03 =S.L. MALLARD +E. MULBERRY			354.3		366.78 355.00 C 11.78	2+50	353.46 361.5 F 8.04		366.58 361.5 C 5.08
0-06.5=prop Corn RT.				356.1 355.6 C 0.5	361.28 355.60 C 5.68	2+20=E.V.C	354.42 362.8 F 8.38	362.8 362.8 grade	369.26 362.8 C 6.46
T.B.M						2+00	354.95 363.4 F 8.45		369.73 363.4 C 6.33
						1+70	355.9 363.5 F 7.6	363.9 363.5 C 0.4	376.3 363.5 C 12.8
						1+50	356.9 363.0 F 6.1		375.97 363.0 C 12.97

356.50 = Ch □ NW Cor
SE Corn Ma
6509 BLUEBIRD

Conc. LDG

MALLARD BLUEBIRD
6509 BLUEBIRD

BLUEBIRD (CONT.)

16

STAI	LT P.L	E	RT (W.L)	STAI	LT P.L	E	RT P.L
8+50	350.32 351.2 F0.88		351.2 350.45 351.2 F0.75	10+96.5	391.9 387.2 C4.7		384.3 385.8 F1.5
8+25	350.16 350.5 F0.34		350.26 350.5 F0.24	10+74=B.V.C RT.	386.3 383.2 C3.1		380.95 383.2 F2.25
8+10=B.V.C	347.25 350.50 F3.25	350.50 350.50 grade.	350.66 350.50 C0.16	10+50	382.06 378.8 C3.26	379.3 378.8 C0.5	376.6 378.8 F2.2
7+60	345.68 350.8 F5.12	350.4 350.8 F0.4	351.17 350.8 C0.37	10+00	372.6 369.8 C2.8	370.1 369.8 C0.3	367.7 369.8 F2.1
7+10	343.0 351.1 F8.1	350.2 351.1 F0.9	353.8 351.1 C2.7	9+70=E.V.C	364.76 364.4 C0.36	364.4 364.4 grade	363.8 364.4 F0.6
6+60	344.5 351.4 F6.9	350.7 351.4 F0.7	354.27 351.4 C2.87	9+50	361.44 361.0 C0.44		360.7 361.0 F0.3
6+10	342.06 351.7 F9.64	351.3 351.7 F0.4	355.6 351.7 C3.9	9+25	357.1 357.5 F0.4	357.5 357.5 grade	357.9 357.5 C0.4
5+60	341.0 352.0 F11.0	352.0 352.0 grade	356.8 352.0 C4.8	8+90	353.3 353.7 F0.4	353.7 353.7 grade	353.22 353.7 F0.48
5+10	343.52 352.3 F8.78	352.3 352.3 grade	357.9 352.3 C5.6	8+75	353.8 352.6 C1.2		352.25 352.6 F0.35
4+80 E.V.C	344.14 352.5 F8.36	353.2 352.5 C0.7	358.6 352.5 C6.1				

BLUEBIRD (CONT.)

LT.

RT. (w/ly)

STA

P.L

±

P.L

Set TBM

401.46 = 2x2 60 sly
 ± MULBERRY on
 ± Proj. of BLUEBIRD

11404.53 = 392.5 389.2
 388.5 388.5
 N.L C4.0 Co.7
 MULBERRY

386.1 386.8
 386.1 386.1
 grade Co.7

PARADISE - SPRINGFIELD N. Ly
to 2+41.43

STA	LT P.L	E	RT. (Ely) P.L	STA	LT P.L	E	RT. (Ely) P.L
(0+76=W.S.LT grade stub 2 S'ly E Box)	440.5 440.8 CB Fo.3			<u>CHK:</u>			457.76 = 457.77 = chn con- (NW'ly con) WALK - SE'ly CORN PARADISE + MULBERRY
(0+66) 0+65.98	443.95 440.0 C 3.95		440.78 440.0 Co.78				
0+36	440.6 438.0 C 2.6		439.59 438.0 C 1.59	and g'ding 2+41.43 =	454.3 448.8 C 5.5		449.2 448.8 C 0.4
(0+17=W.S.LT grade on stub 2'sly & meter)	436.53 436.80 CB Fo.27						
(0+06) 0+05.98=B.V.C	440.33 435.7 C 4.63		437.8 435.7 C 2.1	2+00 1+86=W.S.RT 1+83=W.S.LT	451.7 446.8 C 4.9 446.00 446.00 CB grade		445.9 446.8 Fo.9 446.03 446.14 CB Fo.11
				1+50	448.7 444.4 C 4.3		443.95 444.4 Fo.45
0+00=N.L. SPRINGFIELD	440.04 435.2 C 4.84	436.8 435.2 C 1.6	435.2 437.1 435.2 C 1.9				
0-30 LT. only 0-40 E only	439.06 432.7 C 5.36	434.7 432.7 C 2.0	433.1 432.8 C 0.3 432.7 432.0 C 0.7	0-30 E RT grade	432.8 432.8		
0-60 = Beg. CONTRACT.	432.74 430.2 C 2.54	431.2 430.2 C 1.0	432.8 430.2 C 2.6	(1+26) 1+25.98=E.V.C (3' BK P.L)	447.95 443.3 C 4.65		442.96 443.3 Fo.34
				(1+14=W.S.LT grade stub 2 S'ly E Box)		443.5 442.8 CB C 0.7	
0-100 = Beg City - Forces mark (meet grid) E				(0+96) 0+95.98	444.3 441.8 C 2.5		441.7 441.8 Fo.1

T.B.M.

430.46 = chn N W corner con. lbg @ # 6569 SPRINGFIELD
S'ly con. SPRINGFIELD + PARADISE

(W'ly of garage)

MALLARD: 10+25.82 to ELY; to
 20+48.60 = (16+90 From ELY)
 (NLY) LT RT

(NLY) LT

RT

STA:	P.L.	E	P.L.	STA:	P.L.	E	P.L.
12+30	344.50 359.67 F15.17	359.56 359.67 F0.11	369.12 359.67 C9.45	15+60	333.13 349.1 F15.97	349.25 349.1 C0.15	328.6 349.1 F20.5
11+98.60=EVK	346.9 361.4 F14.5 @ 14'	361.1 361.4 F0.3	371.48 361.4 C10.08	15+30	323.5 348.5 F25.0 @ 25'	349.16 348.5 C0.66	337.1 348.5 F11.4
11+60	349.60 363.1 F13.5 @ 13'	362.6 363.1 F0.5	372.57 363.1 C9.47	14+98.60	324.3 348.3 F24.0 @ 24' (= 21 BK PL)	348.97 348.3 C0.67	339.67 348.3 F8.63
11+30	354.88 363.7 F8.82	363.2 363.7 F0.5	372.87 363.7 C9.17	14+70	326.1 348.3 F22.2 @ 22'	349.36 348.3 C1.06	342.95 348.3 F5.35
10+98.60	360.47 363.7 F3.23		372.19 363.7 C8.49	14+40	328.1 349.0 F20.9 @ 21'	350.3 349.0 C1.3	354.5 349.0 C5.5
10+70	362.24 363.10 F0.86		369.95 363.10 C6.85	14+10	330.0 350.0 F20.0 @ 20' (= 17 BK PL)	350.8 350.0 C0.8	355.6 350.0 C5.6
10+40	361.4 361.9 F0.5'		365.11 361.90 C3.21	13+85.45 [±] =E F.HYD RT 333.34 351.50 B.V.C F18.16 @ 18'	333.34 351.50 F18.16 @ 18'	350.9 351.5 F0.6	351.5 351.5 C0.44
10+25.82 (meet EXIST) PAV.				(13+76.95)=Elm Bluebird RT 341.90 354.17 F12.27 @ 12' (= W.L. Bluebird RT)	341.90 354.17 F12.27 @ 12' (= 9 BK PL)	354.40 354.17 C0.23	351.5 351.6 C5.2 354.17 361.3 356.0 C5.3
Notes: Stabs (set 5' BK P.L. = 8' BK H-PF) unless noted				12+80	343.75 356.92 F13.17 @ 13' (= 16 BK PL)	356.92 356.92 grade	364.97 356.92 C8.05

T.B.M

340.89 Chd NELY RT, PARADISE + MALLARD

MAILARD (CONT.)

CAR:

361.76 = 361.75 = T.B.M. 20

= P.R. Pole # 271167

STA: 17460 ± RT

STA.	P.L.	E	RT
			P.L.
18+58.60 = E.V.C.	366.4 368.8 F2.4	367.96 368.6 F0.64	367.0 368.8 F1.8
18+30	364.98 365.5 F0.52	365.77 365.5 C0.27	364.1 365.5 F1.4
17+98.60	364.43 362.7 C1.73	362.7	362.4 362.7 F0.3
17+70	362.5 360.2 C2.3	361.2 360.2 C1.0	361.0 360.2 C0.8
17+38.60 = B.V.C.	361.7 358.2 C3.5	358.6 358.2 C0.4	359.7 358.2 C1.5
17+00	360.5 356.1 C4.4	355.56 356.1 F0.54	358.15 356.1 C2.05
16+50	357.97 353.3 C4.67	353.03 353.3 F0.27	347.7 353.3 F15.6 @16'
16+18.60 = E.V.C.	350.36 351.6 F1.24	350.95 351.6 F0.65	339.0 351.6 F12.6 @13'
15+90	341.3 350.3 F9.0 @9'	349.8 350.3 F0.5	329.3 350.3 F21.0 @21'

STA.	P.L.	E	P.L.
(See Pg 23) EQ = 16+90 - FROM EAST			
20+48.60 FROM WEST	387.57 391.20 F3.63		401.20 391.20 C1.000 399.0 387.8 C9.2 31 NOT SET 386.60
(20+39 = E.L. ALGEDO) 20+08.60 = B.V.C.	381.42 386.60 F5.18		
19+80	377.85 383.2 F5.35		377.85 NOT SET 383.2
(19+58.9 = W.L. ALGEDO RT.) 19+50	373.76 379.65 F5.89		300.2 389.7 F0.5 379.57 377.65 F0.08
19+00	369.16 373.7 F4.54		371.64 373.7 F2.06

MALLARD - SPRINGFIELD, W'ly to

STA: 16+90 = (20+48.60 From W'ly)

Note: 0+00 to 3+07.14 to W'ly = 30' STREET 21

STA:	LT P.L.	E	RT (N'ly) P.L.
<u>10+0</u>	<u>T.B.M</u>	459.50 = ch	NW Cor. Con Dr #6829 mallard
1+60 = BVC	459.34 457.4 C 5.34	459.34 457.4 C 1.94	459.04 457.4 C 1.64
1+20	458.19 454.24 C 3.95	458.19 457.65 C 0.54	458.15 457.65 C 0.50
0+80	458.16 457.48 C 3.68	458.16 457.90 C 0.26	457.81 457.90 F 0.09
0+40	458.32 457.72 C 3.60	458.32 458.15 C 0.17	458.25 458.15 C 0.10
0+16.94 = Prop. Conn. LT.	457.9	458.36 458.30 C 0.6	458.59 458.30 C 0.29
0+00	454.95	458.4 (not set)	458.4

(to E'ly = 37+21.66)
EQ:
0+16.94 =

(see pg 24) also

Note: Red FIG's = new grade - by office 8-25-59

[0+00 to W'ly = PT. INT. W'LY LINE SPRINGFIELD (Proj.) + E MALLARD (30' STREET)]

T.B.M

463.39 = N'ly Conn. Man. MALLARD + 694h

STA:	LT P.L.	E	RT (N'ly) P.L.
5+00	437.62 442.3 F 4.68		442.93 442.3 C 0.63
4+50	439.82 443.6 F 3.78		444.17 443.6 C 0.52
4+00	443.91 445.5 F 1.59		446.73 445.5 C 1.23
3+80 = BVC	445.45 446.5 F 1.05		447.01 446.5 C 0.51
3+50	447.76 448.05 F 0.29	← meet →	447.59 448.05 F 0.46
3+20 = EVC	450.77 449.6 C 1.17		449.27 450.0 F 0.73
(3+07.14 = end 30' ST. Beg 60' ST.)			
2+80	455.23 451.4 C 3.83		455.25 452.5 C 2.75
2+40	458.75 452.8 C 5.95		459.24 454.8 C 4.44
2+00	460.84 453.6 C 7.24		459.93 456.5 C 3.43

MAILLARD ÷ Springfield-wily (cont.)

LT		RT (N 2y)		LT		RT (N 2y)	
STA.	P.L.	E	P.L.	STA.	P.L.	E	P.L.
8+80	451.74 451.1 Co. 64		452.0 451.1 Co. 9	11+50	445.2 444.0 C1.2		445.87 444.0 C1.87
8+50	450.16 449.9 Co. 26		450.7 449.9 Co. 8	11+20	447.7 446.4 C1.3		449.85 446.4 C3.45
8+20 = E&B.V.C. Point of Reverse on Vertical Curve	448.0 448.4 Fo. 4		448.3 448.4 Fo. 1	10+90	450.5 448.4 C2.1		453.45 448.4 C5.05
8+00	447.2 447.3 Fo. 1		446.6 447.3 Fo. 7	10+60	453.37 450.0 C3.37		455.46 450.0 C5.46
7+50	445.0 445.0 Grade		444.53 445.0 Fo. 47	10+30	456.95 451.2 C5.75		456.24 451.2 C5.04
7+00	444.0 443.3 Co. 7		443.9 443.3 Co. 6	10+00	459.17 452.00 C7.17		459.33 452.00 C2.33
6+50	442.20 442.0 Co. 2		443.1 442.0 C1.1	9+70	459.45 452.3 C7.15		453.72 452.3 C1.42
6+00	439.36 441.7 F2.34		442.82 441.7 C1.12	9+40	457.2 452.3 C4.9		452.13 452.3 Fo. 17
5+50	437.38 441.5 F4.12		442.32 441.5 Co. 82	9+10	453.8 451.9 C1.9		452.34 451.9 Co. 44

MAILLARD : Springfield - W'y (CONT.)

STA:	LT. P.L.	Q	RT. (N'y) P.L.			
16+00	410.93 400.05 C 10.88		400.50 400.05 C 0.45	<u>CHK:</u>		
					412.30	= 412.20 = 2x2, HUB
15+50	412.69 404.96 C 7.73		404.02 404.96 F 0.94			35' LT. E ALCEDO STA: 1460.83
15+00	416.49 409.87 C 6.62		406.41 409.87 F 3.46			
14+50	417.15 414.78 C 2.37		407.50 414.78 F 7.28			
14+00	421.32 419.69 C 1.63		409.88 419.69 F 9.81			
13+50	424.79 424.60 C 0.19		413.60 424.60 F 11.0			
13+00	429.90 429.51 C 0.39		426.13 429.51 F 3.38	(See p 20) From Ely		
12+50	445.77 434.42 C 1.35		436.09 434.42 C 1.67	EQ = 20 + 48.60	16+90	391.20
12+00	441.70 439.33 C 2.37		437.93 439.33 F 1.40	16+50	404.61 395.14 C 9.47	394.51 395.14 F 0.63
11+80 = E.V.C.	442.94 441.3 C 1.64		441.3 441.3 grade			

MALLARD: SPRINGFIELD to 69th

(NLY) LT

RT

Note: stubs set on P. Line

24

(NLY) LT

RT

STA:	P.L.	E	P.L.	STA:	P.L.	E	P.L.
39+80		455.06 455.4 F0.34	456.05 455.7 C0.35			463.38	= 463.39 = NELY Corner Cons- mon 69th & Mallard
39+70 = B.V.C	454.62 456.10 F1.48	454.17 455.0 F0.83	455.3 455.4 F0.1	<u>CHK:</u>			
39+50	454.28 455.98 F1.70	454.93 455.6 F0.67	456.3 456.0 C0.3	455.32 455.98 F0.66			
39+40							
39+20	455.84 455.76 C0.08	457.29 457.5 F0.21	458.46 457.7 C0.76	457.08 455.76 C1.32	41+35.54 E (= W.L. 69th)	meet Pav.	
39+00							
38+70	458.53 455.5 C3.03	459.66 458.5 C1.16	459.5 458.5 C1.0	459.2 455.5 C3.7	41+35.54 RT only	meet Pav.	464.1
38+50							
38+30	460.23 455.30 C4.93	460.25 458.70 C1.55	459.39 458.6 C0.79	455.3 (See pg 25)	41+25.13 RT only		463.5 464.0 F0.5
38+12.18 = E. LINE SPRINGFIELD RT.							
37+90 LT	460.06 455.1 C4.96	460.06 458.56 C1.50			41+15.54 RT only		462.8 463.7 F0.6
37+66.93 LT only							
					meet Pav. LT 41+00		462.73 462.38 C0.35
+ W.L.Y (= 0+16.94) EQ							
37+21.66 to ELY (See pg 21)	458.59 454.9 C3.69	458.59 458.30 C0.29	458.36 458.30 C0.06	454.9	40+50 = E.V.C	458.03 459.00 F0.97	← meet → 459.44 459.00 C0.44
= W.L. Springfield							
T.B.M							
					40+10	456.1 457.00 F0.9	456.1 456.6 F0.5
					459.50 = Chd N.W.ly Corn Drive @ 6829 Mallard		456.94 456.6 C0.34
							456.94 457.0 F0.06

SPRINGFIELD:

Note: All stubs on P.L. unless noted.

25

MAILARD to PARADISE:

STA.	P.L.	E	RT(N/4) P.L.
1+34.44 = E. LINE RADIO DR. LT.	456.14 453.70 C 2.44	456.14 455.2 C 0.94	
1+16.83 = B.V.C RT			458.16 454.3 C 3.86
0+90	457.41 454.20 C 3.21	457.41 456.2 C 1.21	458.16 458.16 456.7 454.50 C 1.46 C 3.66
0+60 LT. only	458.16 454.5 C 3.66	458.16 457.0 C 1.16	
0+56.52 = Prop. Corn. RT			458.36 457.2 C 1.16 458.36 454.90 C 3.46
0+30 LT only	458.86 454.83 C 4.03	458.86 457.7 C 1.16	
0+22.63 = 8 Springfield & S.L. MAILARD			445.10
0-11.26 = Prop. Corn LT.	459.39 455.30 C 4.09	459.39 458.6 C 0.79	

Note: Red FIG'S: - NEW grade
THIS AREA
by office 8-25-59

T.B.M.

463.39 = NELY
MAILARD & 69'th
Common

STA.	P.L.	E	RT(N/4) P.L.
3+40	458.71 454.10 C 4.61	458.71 455.0 C 3.71	453.54 453.54 455.3 454.10 F 1.76 F 0.56
3+10 = BVC	459.2 454.6 C 4.6	459.2 455.6 C 3.6	458.51 458.51 456.2 454.4 C 2.31 C 3.91
2+80 = BVC	458.0 454.9 C 3.1	458.0 455.9 C 2.1	458.54 458.54 456.6 454.9 C 1.94 C 3.64
2+60 = BVC	457.1 454.9 C 2.2	457.1 455.9 C 1.2	458.55 458.55 456.6 454.9 C 1.95 C 3.65
2+00	454.33 454.10 C 0.23	454.33 455.0 F 0.67	458.45 458.45 455.9 454.6 C 2.55 C 3.85
1+82.30 = W.L. RADIO-DR. LT.	454.28 453.90 C 0.38	454.28 454.7 F 0.42	458.47 458.47 C 4.00
1+70 RT only			458.25 455.5 C 2.75
1+60.49 LT only	454.7 453.7 C 1.0	454.7 454.6 C 0.1	
1+36.83 = E.V.C RT.			458.1 458.1 455.9 454.2 C 2.2 C 3.9

SPRINGFIELD (CONT.)

CLK:

440.40

= 440.44 = CHQ NEW ^{TP} 26
 Both Conc. step
 #6775 Springfield RT (N.W.)
 (-Sly side)
 G-402-A913

STA.	P.L.	E	RT	P.L.
6+70	438.17 434.3 C3.87			428.16 434.3 F5.7
6+30	440.4 436.0 C4.4			432.9 436.00 F3.1
5+90 = B.V.C	442.68 438.5 C4.38			435.0 438.5 F3.5
5+45	444.42 441.69 C2.73			438.24 441.69 F3.45
5+00	447.43 444.86 C2.57			442.40 444.86 F2.46
4+65	449.13 447.33 C1.80			445.21 447.33 chx F2.12
4+30 = E.V.C	451.37 449.8 C1.57			445.75 449.8 chx F4.05
4+00	454.16 451.7 C2.46	454.16 = 451.7 ← meet →	450.7 451.7 =	450.7 451.7 F1.0
3+70	456.8 453.1 C3.7	456.8 453.6 C3.2	452.24 453.7 F1.46	452.24 453.10 F0.86

STA.	P.L.	E	RT	P.L.
11+40 WIS RT 11+30 = E.V.C (1' BK PI)	445.5 443.4 C2.1			443.78 443.3 ch C0.48
10+80	445.5 443.4 C2.1			444.22 443.4 C0.82
10+30	444.91 442.80 C2.11			442.84 442.80 C0.04
9+80	444.32 441.50 C2.80			440.61 441.50 F0.89
9+30 = B.V.C	442.6 439.6 C3.0			438.6 439.6 F1.0
8+80	440.62 437.45 C3.17			437.98 437.45 C0.53
8+30 = E.V.C	438.77 435.3 C3.47			431.67 435.3 F3.63
7+90 PROP. ch 5' BK	436.8 433.9 C2.9			426.7 433.9 F7.2
7+50	435.88 433.3 C2.58			427.54 433.3 F5.76
7+10	436.3 433.4 C2.9			426.5 433.4 F6.9

SPRINGFIELD (CONT.)

Note: Blue-Line DATA = CHK's W. Services set by WEST

RT. (N'ly)

CHK:

416.76

= 416.77 = chp TP 3rd **27**

conc. - step @ 6620

Springfield - N'ly side RT. (N'ly)

G-402 P₁₈

(at STA 20+00 ±)

STA:	P.L	E	P.L
15+50	441.82 440.84 C0.98		441.07 440.84 C0.23
15+00	442.37 441.14		441.68 441.14 C0.54
14+50	14+59 = W.SRT C1.23 14+58 = W.MLT 441.2 441.4 CB 443.46 441.45 C2.01	441.4 441.4 CB F0.2 grade	441.4 441.4 CB grade 442.10 441.45 C0.65
14+00	W.M.RT 443.79 441.75	441.49 441.75 CB F0.26	442.20 441.75 C0.45
13+50	(1' BK. PL) C2.04 13+98 = W.SRT 441.84 441.75 CB C0.09 13+76 = W.SRT 441.9 441.9 CB grade 444.26 442.06 C2.20	441.9 441.9 CB grade	442.65 442.06 C0.59
13+00	444.21 442.36 (1' BK. PL) C1.85	442.30 442.60 CB F0.30	442.32 442.36 F0.04
12+50	12+87 = W.SRT 444.31 442.67 (1' BK. PL) C1.64	442.56 442.65 CB F0.09	442.42 442.67 F0.25
12+00	12+29 = W.S.LT 444.43 442.97 C1.46	442.91 442.97 F0.06	442.91 442.97 F0.06
11+65	445.00 443.19 C1.81	444.03 443.19 C0.84	444.03 443.19 C0.84
11+61 W.S.LT.	443.51 443.3 CB C0.21		

CHK:

437.65 = 437.65 = chx 67' s'ly
(on diag.) E AT 18+00

STA:	P.L	E	P.L
19+70 = E.V.C	431.56 428.0 C3.56		430.15 428.0 C2.15
19+30	433.95 431.4 C2.55		432.9 431.4 C1.5
18+90	435.38 434.2 C1.18		435.65 434.2 C1.45
18+50	18+74 = W.M.RT 437.15 436.8 C0.35 18+36 = M.LT. 437.5 436.4 C1.1	434.82 434.50 C0.32	436.85 436.4 C0.45
18+10	438.1 438.1 grade		439.02 438.10 C0.92
17+70	439.46 439.1 C0.36		439.6 439.1 C0.5
17+30 = B.V.C	440.57 439.7 C0.87		440.7 439.7 C1.0
17+00	440.93 439.91 C1.02		441.46 439.91 C1.55
16+50	440.97 440.23 C0.74		441.20 440.23 C0.97
16+00	442.01 440.54 C1.47		441.33 440.54 C0.79

SPRINGFIELD (CONT.)

STA:	LT P.L.		RT(N'ly) P.L.
23+00	419.6 417.3 C 2.3	2	417.0 417.3 F 0.3
22+84 = W.M.LT.	416.29 416.00 CB C 0.29		412.5 414.9 F 2.4
22+70	417.62 414.9 C 2.72		411.45 413.2 F 1.75
22+40	415.42 413.2 C 2.22		409.86 412.4 F 2.54
22+10	414.8 412.4 C 2.4		409.01 412.3 F 3.29
21+80	414.26 412.3 C 1.96	413.26 412.3 CB C 0.96	409.9 413.1 F 3.2
21+59 W.M.LT	415.96 413.1 C 2.86	412.3 CB C 0.96 412.3 CB grade	410.27 414.6 F 4.33
21+50	415.96 413.1 C 2.86		411.95 417.0 F 5.05
21+32 F.Hyd LT	416.69 414.6 C 2.09	415.78 414.00 C 1.78 415.97 415.00 CB C 0.97	415.91 420.66 F 4.75
21+20	416.69 414.6 C 2.09	21+11 W.M.LT	424.84 424.32 C 0.52
20+90 = B.V.C.	420.26 417.0 C 3.26		
20+50	424.20 420.66 C 3.54		
20+10	428.14 424.32 C 3.82		
19+83 = W.M.LT		427.33 426.81 tpcb C 0.52	

note: blue-line stais = CHK on W.Meters 28
set by West.

STA:	LT P.L.		RT(N'ly) P.L.
25+10 =	432.3 431.6 E.V.C. C 0.7		436.7 432.9 C 3.8
24+92 = W.M.	431.6 431.7 C 0.18		435.6 432.0 C 3.6
24+90	431.6 431.7 F 0.1		435.03 431.4 C 3.63
24+70 =	430.5 431.4 B.V.C. F 0.9		433.86 430.9 C 2.96
24+50 =	429.3 430.9 E.V.C. F 1.6		431.78 430.2 C 1.58
24+30	429.65 430.2 F 0.55		430.32 429.0 C 1.32
24+10	428.7 429.0 F 0.3		427.48 427.4 C 0.08
23+90	427.71 427.4 C 0.31		425.37 425.2 C 0.17
23+70 =	426.64 425.2 B.V.C. C 1.44		418.9 420.5 F 1.6
23+30 =	422.75 420.5 E.V.C. C 2.25		

SPRINGFIELD - (CONT.)

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STAI	LT. P.L.	E	RT(N'y) P.L.
<u>CR:</u>		430.42	= 430.46 = Ch II CON LDG. @ 6569 SPRINGFIELD SELY PARADISE & SPRINGFIELD
25+32.83=	432.4 431.3		437.1 434.0 C3.1
E.L. PARADISE	C1.1		
25+20.83=	432.8 431.4		436.9 433.5
B.V.C	C1.4		C3.4

WATER-MAIN: MAILLARD (E. Ly)

STA 11+98.60 to 17+00

Σ (Water main = 10' S 4' E ST.)

Ref: DWG: 5404-D } F.L water-main =
5405-D } 4' below Fin. grade Pav.

30

E W-MAIN

STA.			CHK.	
14+98.60		348.36 344.3 C 4.06		361.77 - 361.75 = P.K. Pole # 271167 STA: 17+60 ⁺ RT.
14+70		348.44 344.3 C 4.14		
14+40		348.95 345.0 C 3.95		
14+10	(Cross 3' (1/2) ST. in main)	350.02 346.00 C 4.02	17+00	356.53 352.1 = F.L C 4.43
13+78.60 = B.V.C.	(Sticks set 5' in ST.)	351.50 347.50 C 4.00	16+50	353.41 349.3 C 4.11
13+30		354.77 350.17 C 4.60	16+18.60 = E.V.C.	351.82 347.6 C 4.22
12+80		357.23 352.92 C 4.31	15+90	350.43 346.3 C 4.13
12+30		359.89 355.67 C 4.22	15+60	349.3 345.1 C 4.2
11+98.60 = E.V.C.		361.55 357.4 = F.L C 4.15	15+30	348.12 344.5 C 4.22

T.B.M

340.89 = C.M. NE'LY RET
MAILLARD + PARADISE

WATER-MAIN: ALCEDO (Sly)
 STA: 2+90 to 6+92.60 (= PT. 10' N'ly)
 (E MULBERRY)

F.L. of W-main 4' below Fin-grade Par. ³¹

STA.	E W-MAIN (10' Ely EST)
6+00	376.76 372.8 C 3.96
5+50	382.68 378.95 C 3.73
5+00	389.04 385.1 C 3.94
4+50	394.85 391.2 C 3.65
4+20	398.8 394.9 C 3.9
3+92.6 = E.V.C.	401.77 398.3 C 3.47
3+50	405.8 402.5 C 3.3
3+20	407.94 404.6 C 3.34
2+90	409.05 405.8 = F.L. C 3.25

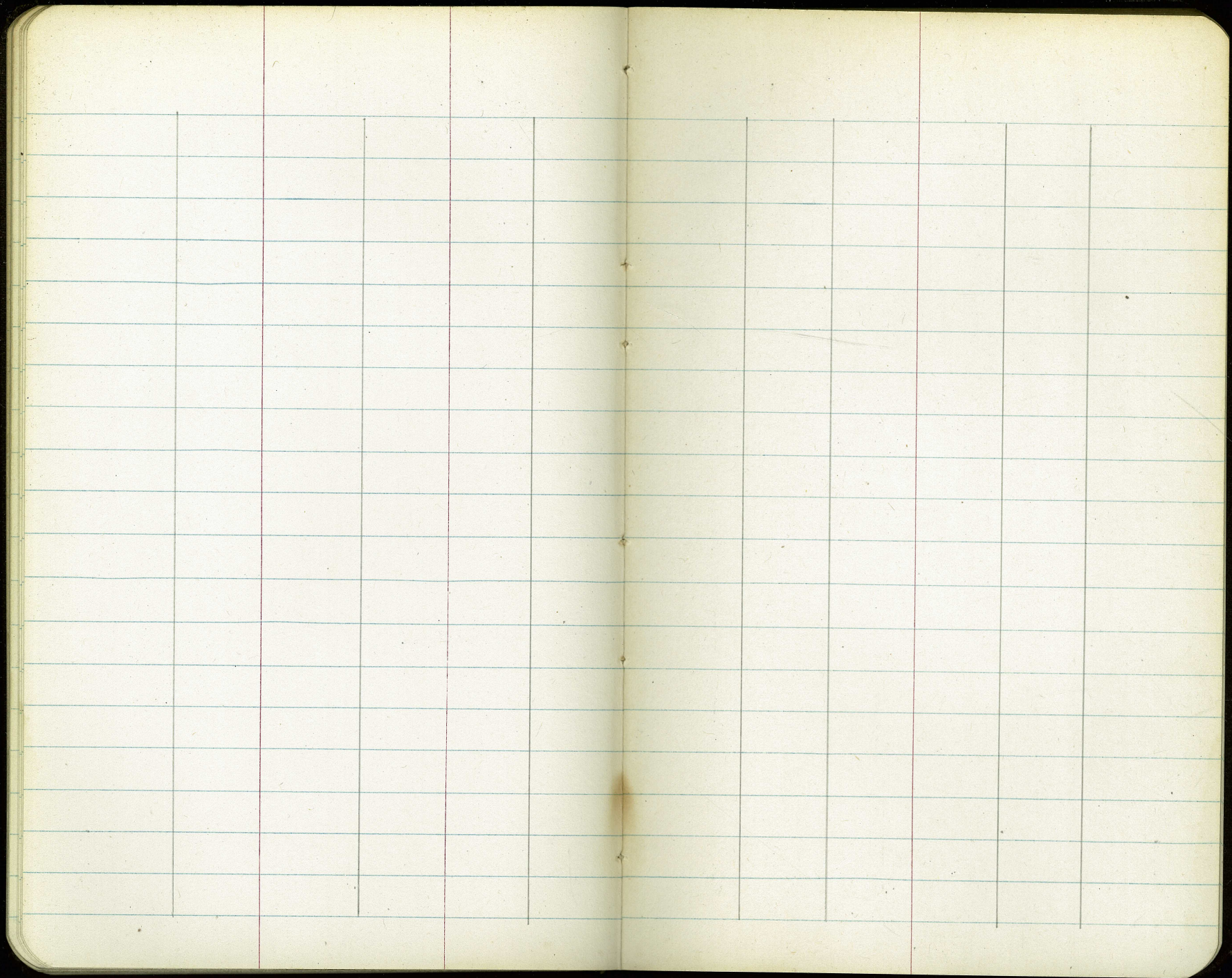
(Stubs 5' Ely E W-main
 only with Sta.)

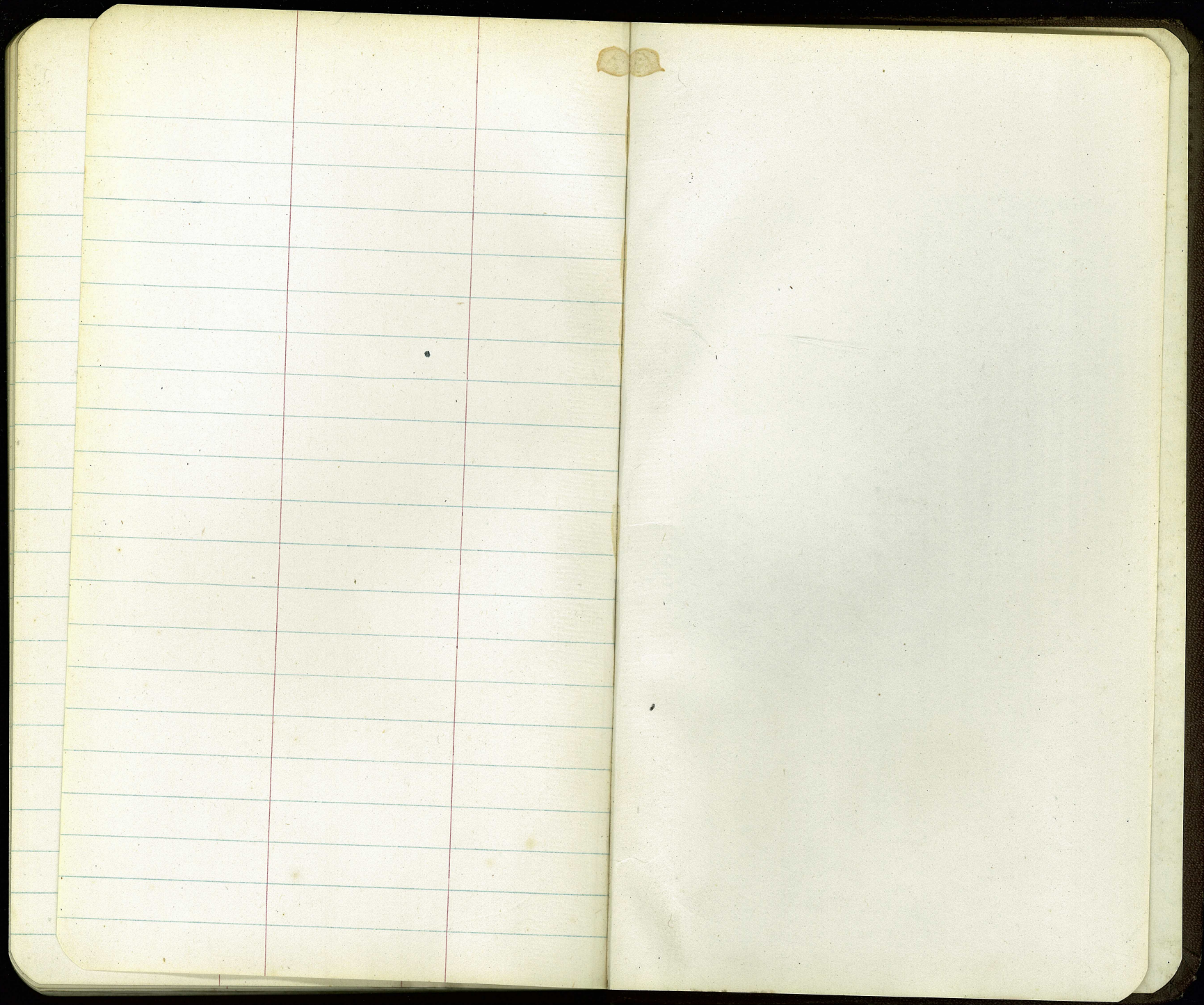
CHK:

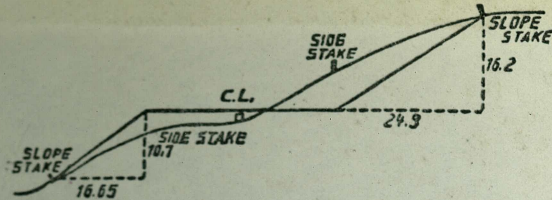
372.16	372.20 = 2x2 HUB
(ON E ALCEDO)	60' Sly E MULBERRY
Projected	
371.05	
7+12.6 = "T"	364.00
(10' Sly E MULBERRY)	C 7.05
371.16	
6+92.6 = "T"	363.9 = F.L.
(As Per Green)	C 7.26
372.06	
6+72.6	364.5
	C 7.56
371.79	
6+69.60 = E F.A.Y.P. LT	369.6
	C 2.19 +
372.93	
6+52.6 = B.V.C.	366.4
	C 2.57 +
	C 6.53

L.B.M

ALCEDO STA 412.28 = 2x2 HUB 35' LT
 STA 1460.8 ±







DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
SLOPE 1 1/4 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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